

-Log₂(p-value)

8

654

-Log₂(p-value)

75

50

Enrichment

25

5.0 4.5

4.0

3.5

150 200



mRNA 3'-end processing translational initiation

Α

B

D

F

protein insertion into mitochondrial membrane generation of precursor metabolites and energy

establishment of protein localization to mitochondrial membrane transcription initiation from RNA polymerase II promoter



3

2

1

0

44 genes

34 genes

LFC of HLA-A2:AFP

-Log₂(p-value)

tail-anchored membrane protein insertion into ER membrane

regulation of DNA strand elongation

vesicle organization

nuclear transport

Ó

protein autoubiquitination

nucleocytoplasmic transport



Enrichment



negative regulation of myeloid leukocyte mediated immunity negative regulation of leukocyte degranulation negative regulation of organelle organization cellular response to nitric oxide regulation of chromosome organization negative regulation of chromosome organization cellular response to reactive nitrogen species protein localization to chromosome response to nitric oxide negative regulation of regulated secretory pathway regulation of telomere capping endoplasmic reticulum to cytosol transport retrograde protein transport, ER to cytosol mitotic spindle organization mitotic nuclear division negative regulation of exocytosis nuclear DNA replication telomere capping

microtubule cytoskeleton organization involved in mitosis